

METHOD AND APPARATUS FOR AUTOMATIC TRANSFER SWITCH

Abstract of Disclosure

An automatic transfer switch includes; a housing, at least one switch for switching electrical connection from a first external power source to a second external power source, and a first and at least a second timer disposed within the housing, wherein the first and the at least a second timer have a first and at least a second time delay, respectively. The at least one switch being responsive to the first and the at least a second timer, and the at least a second time delay being nested within the first time delay.

$$\begin{aligned} \frac{\partial}{\partial t} &= \frac{\partial}{\partial t} + \frac{\partial}{\partial x} \left(\frac{x}{t} \right) + \frac{\partial}{\partial y} \left(\frac{y}{t} \right) + \frac{\partial}{\partial z} \left(\frac{z}{t} \right) + \frac{\partial}{\partial w} \left(\frac{w}{t} \right) \\ &= \frac{\partial}{\partial t} + \frac{\partial}{\partial x} \left(\frac{x}{t} \right) + \frac{\partial}{\partial y} \left(\frac{y}{t} \right) + \frac{\partial}{\partial z} \left(\frac{z}{t} \right) + \frac{\partial}{\partial w} \left(\frac{w}{t} \right) \end{aligned}$$

Figures